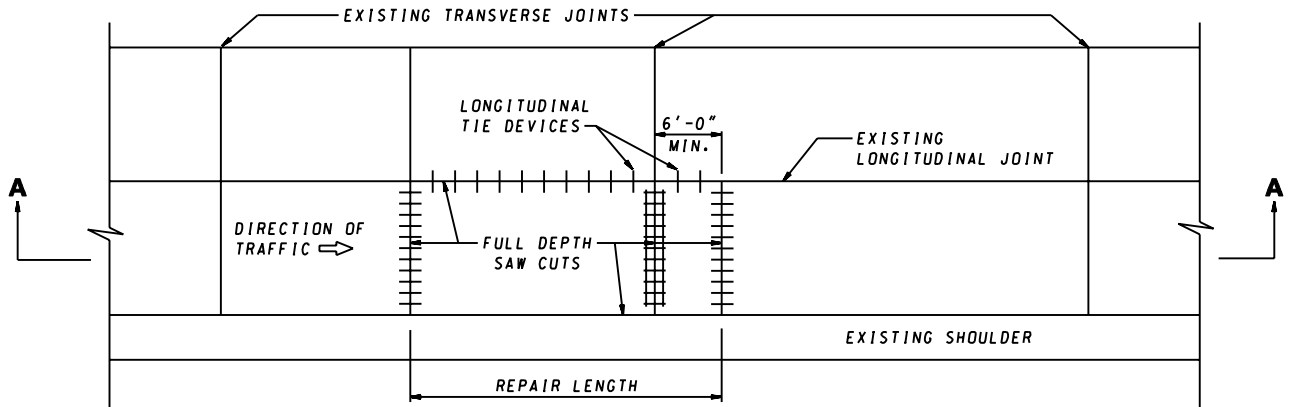
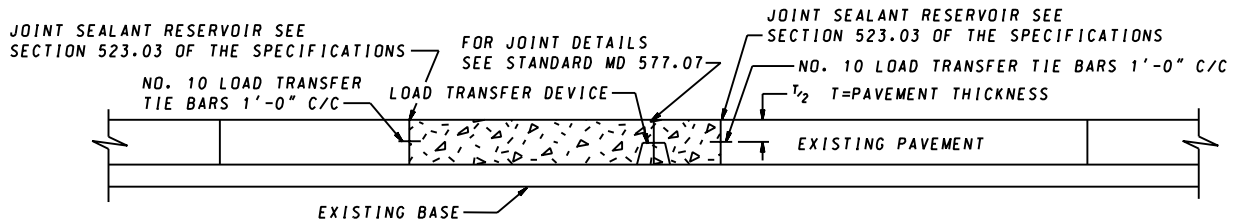


**METHOD 'C' REPAIRS EXCEEDING 3 FT. ON BOTH SIDES OF AN EXISTING TRANSVERSE JOINT.**



**PLAN**



**SECTION A-A**

**REPAIR GUIDELINES**

1. TYPE 1 REPAIRS ARE 6 FT. TO LESS THAN 15 FT. IN LENGTH AND REQUIRE NO REINFORCEMENT. (PLAIN CONCRETE)  
TYPE 2 REPAIRS ARE 15 FT. AND GREATER IN LENGTH AND REQUIRE REINFORCEMENT. (REINFORCED CONCRETE)  
SEE METHOD 'D' ON STANDARD 577.05 FOR STEEL REINFORCEMENT DETAILS.
2. REPAIR SLABS AND REMAINS OF EXISTING SLABS SHALL NOT BE LESS THAN 6 FT. IN LENGTH.
3. ALL REPAIRS OFFSET MORE THAN 3 FT ON EITHER SIDE OF AN EXISTING TRANSVERSE JOINT SHALL BE EXTENDED TO A MINIMUM OF 6 FT. AND DOWEL ASSEMBLIES SHALL BE PLACED ADJACENT TO THE EXISTING TRANSVERSE JOINT.
4. EXISTING DOWELS AND ASSEMBLIES SHALL BE COMPLETELY REMOVED WHEN A REPAIR IS PERFORMED AT A TRANSVERSE JOINT.

**NOTES**

1. REPAIRS SHALL BE MADE IN ACCORDANCE WITH SECTION 522 OF THE SPECIFICATIONS.
2. REPAIRS SHALL BE MADE USING CONCRETE MEETING THE REQUIREMENTS OF SECTION 522.02 OF THE SPECIFICATIONS.
3. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH SUBSECTION 522.03.04 OF THE SPECIFICATIONS AND MAY REQUIRE ADDITIONAL MATERIAL TO FACILITATE PLACEMENT OF LOAD TRANSFER DEVICES.
4. HOLES FOR THE DOWELS AND LOAD TRANSFER TIE DEVICES SHALL BE DRILLED SIMULTANEOUSLY TO THE REQUIRED DEPTH USING FRAME MOUNTED DRILLS WHICH WILL MAINTAIN THE DRILLS IN A LONGITUDINALLY PARALLEL POSITION.
5. JOINTS SHALL BE MADE IN ACCORDANCE WITH SECTION 520 OF THE SPECIFICATIONS AND STANDARD MD 577.07.
6. ALL LOAD TRANSFER TIE BARS AND DOWELS SHALL BE EPOXY COATED.
7. SEE STANDARD MD 577.01 FOR PAVEMENT REPAIR SAW CUTS FOR LIFT OUT METHOD.

|   |   |                             |  |                        |                         |                        |                        |         |         |         |         |
|---|---|-----------------------------|--|------------------------|-------------------------|------------------------|------------------------|---------|---------|---------|---------|
| SPECIFICATION<br><b>522</b>                   | CATEGORY CODE ITEMS   |                             |  |                        |                         |                        |                        |         |         |         |         |
| APPROVED                                      | <i>Kirk G. McCall</i><br>DIRECTOR - OFFICE OF HIGHWAY DEVELOPMENT   |                             |  |                        |                         |                        |                        |         |         |         |         |
| <b>SHA</b><br>State Highway<br>Administration | <table> <tr> <td>APPROVAL • SHA<br/>REVISIONS</td><td>APPROVAL • FEDERAL<br/>HIGHWAY ADMINISTRATION</td></tr> <tr> <td>APPROVAL <b>3-6-86</b></td><td>APPROVAL <b>3-18-86</b></td></tr> <tr> <td>REVISED <b>10-1-01</b></td><td>REVISED <b>4-26-89</b></td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> <tr> <td>REVISED</td><td>REVISED</td></tr> </table> | APPROVAL • SHA<br>REVISIONS | APPROVAL • FEDERAL<br>HIGHWAY ADMINISTRATION | APPROVAL <b>3-6-86</b> | APPROVAL <b>3-18-86</b> | REVISED <b>10-1-01</b> | REVISED <b>4-26-89</b> | REVISED | REVISED | REVISED | REVISED |
| APPROVAL • SHA<br>REVISIONS                   | APPROVAL • FEDERAL<br>HIGHWAY ADMINISTRATION  |                             |  |                        |                         |                        |                        |         |         |         |         |
| APPROVAL <b>3-6-86</b>                        | APPROVAL <b>3-18-86</b>   |                             |  |                        |                         |                        |                        |         |         |         |         |
| REVISED <b>10-1-01</b>                        | REVISED <b>4-26-89</b>  |                             |  |                        |                         |                        |                        |         |         |         |         |
| REVISED                                       | REVISED   |                             |  |                        |                         |                        |                        |         |         |         |         |
| REVISED                                       | REVISED   |                             |  |                        |                         |                        |                        |         |         |         |         |

**Maryland Department of Transportation**  
**STATE HIGHWAY ADMINISTRATION**  
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  
**METHOD 'C' PLAIN OR CONVENTIONALLY**  
**REINFORCED PORTLAND CEMENT CONCRETE**  
**PAVEMENT TYPE 1 AND 2 REPAIRS**

**STANDARD NO. MD 577.04**